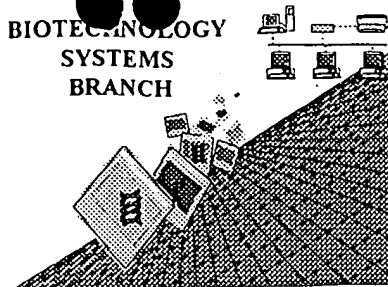


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



0400
5-3-01.

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/828,317

Source: OIPE

Date Processed by STIC: 4-23-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/828,317

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 ☐ Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☐ Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☐ Variable Length Sequence(s) ☐ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 ☐ PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) ☐. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 ☐ Skipped Sequences (OLD RULES) Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ Skipped Sequences (NEW RULES) Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 ☐ Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 ☐ Use of "Artificial" (NEW RULES) Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules.
Valid response is Artificial Sequence.
- 12 ☒ Use of <220>Feature (NEW RULES) Sequence(s) ☐ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 ☐ PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/828,317

DATE: 04/23/2001

TIME: 13:14:04

Input Set : A:\20620Y SEQLIST.TXT

Output Set: N:\CRF3\04232001\I828317.raw

Does Not Comply
Corrected Diskette Needed

See pp. 1-5

4 <110> APPLICANT: Merck & Co., Inc.
 5 Craig A. Stump
 6 Theresa M. Williams
 8 <120> TITLE OF INVENTION: INHIBITORS OF PRENYL-PROTEIN TRANSFERASE
 11 <130> FILE REFERENCE: 20620Y
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/828,317
 C--> 13 <141> CURRENT FILING DATE: 2001-04-06
 13 <150> PRIOR APPLICATION NUMBER: 60/195,802
 14 <151> PRIOR FILING DATE: 2000-04-10
 16 <160> NUMBER OF SEQ ID NOS: 25
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 4
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Artificial Sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: N-terminus of Ras protein
 28 <400> SEQUENCE: 1
 29 Cys Val Leu Leu
 30 1
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 4
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: N-terminus of Ras protein
 40 <400> SEQUENCE: 2
 41 Cys Val Leu Ser
 42 1
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 15
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Completely Synthetic Amino Acid
 52 <400> SEQUENCE: 3
 53 Gly Lys Lys Lys Lys Lys Lys Ser Lys Thr Lys Cys Val Ile Met
 54 1 5 10 15
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 52
 58 <212> TYPE: DNA
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: Artificial Nucleotide Sequence
 64 <400> SEQUENCE: 4
 65 gagagggaat tcgggccctt cctgcatgct gctgctgctg ctgctgctgg gc
 67 <210> SEQ ID NO: 5

Circled responses for
the source of the
artificial sequences
need to be more
precise as to the type
of sequence, or the
genetic material making
up the 52 sequence.

See #12 on the Error
Summary sheet.

RAW SEQUENCE LISTING DATE: 04/23/2001
 PATENT APPLICATION: US/09/828,317 TIME: 13:14:04

Input Set : A:\20620Y SEQLIST.TXT
 Output Set: N:\CRF3\04232001\I828317.raw

```

68 <211> LENGTH: 41
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Artificial Antisense Nucleotide Sequence
75 <400> SEQUENCE: 5
76 gagagagctc gaggttaacc cgggtgcgcg gcgctcggtgg t          41
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 42
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Artificial Nucleotide Sequence
86 <400> SEQUENCE: 6
87 gagagagtct agagttaacc cgtgggtcccc gcgttgcttc ct          42
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 43
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Artificial Antisense Nucleotide Sequence
97 <400> SEQUENCE: 7
98 gaagaggaag cttggtaccg ccactgggct gtaggtggtg gct          43
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 27
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Artificial Nucleotide Sequence
108 <400> SEQUENCE: 8
109 ggcagagctc gtttagtgaa ccgtcag          27
111 <210> SEQ ID NO: 9
112 <211> LENGTH: 27
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Artificial Antisense Nucleotide Sequence
119 <400> SEQUENCE: 9
120 gagagatctc aaggacggtg actgcag          27
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 86
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Artificial Nucleotide Sequence
130 <400> SEQUENCE: 10
131 tctcctcgag gccaccatgg ggagtagcaa gagcaagcct aaggacccca gccagcgccg          60
132 gatgacagaa tacaagcttg tggtagg          86
134 <210> SEQ ID NO: 11

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RAW SEQUENCE LISTING

DATE: 04/23/2001

PATENT APPLICATION: US/09/828,317

TIME: 13:14:04

Input Set : A:\20620Y SEQLIST.TXT

Output Set: N:\CRF3\04232001\I828317.raw

135 <211> LENGTH: 33
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Artificial Antisense Nucleotide Sequence
142 <400> SEQUENCE: 11
143 cacatctaga tcaggacagc acagacttgc agc 33
145 <210> SEQ ID NO: 12
146 <211> LENGTH: 41
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Artificial Nucleotide Sequence
153 <400> SEQUENCE: 12
154 tctcctcgag gccacatga cagaatacaa gcttgtggtg g 41
156 <210> SEQ ID NO: 13
157 <211> LENGTH: 38
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Artificial Antisense Nucleotide Sequence
164 <400> SEQUENCE: 13
165 cactctagac tgggtgcaga gcagcacaca cttgcagc 38
167 <210> SEQ ID NO: 14
168 <211> LENGTH: 38
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Artificial Nucleotide Sequence
175 <400> SEQUENCE: 14
176 gagagaattc gccacatga cggaatataa gctggtgg 38
178 <210> SEQ ID NO: 15
179 <211> LENGTH: 33
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: ArtificialAntisense Nucleotide Sequence
186 <400> SEQUENCE: 15
187 gagagtcgac gcgtcaggag agcacacact tgc 33
189 <210> SEQ ID NO: 16
190 <211> LENGTH: 22
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Artificial Nucleotide Sequence
197 <400> SEQUENCE: 16
198 ccgccggcct ggaggagtac ag 22
200 <210> SEQ ID NO: 17
201 <211> LENGTH: 38

RAW SEQUENCE LISTING DATE: 04/23/2001
 PATENT APPLICATION: US/09/828,317 TIME: 13:14:04

Input Set : A:\20620Y SEQLIST.TXT
 Output Set: N:\CRF3\04232001\I828317.raw

```

202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: (Artificial Nucleotide Sequence)
208 <400> SEQUENCE: 17
209 gagagaattc gccaccatga ctgagtacaa actggtgg          38
211 <210> SEQ ID NO: 18
212 <211> LENGTH: 32
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Artificial Antisense Nucleotide Sequence
219 <400> SEQUENCE: 18
220 gagagtcgac ttgttacatc accacacatg gc          32
222 <210> SEQ ID NO: 19
223 <211> LENGTH: 21
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: (Artificial Nucleotide Sequence)
230 <400> SEQUENCE: 19
231 gttggagcag ttggtgttg g          21
233 <210> SEQ ID NO: 20
234 <211> LENGTH: 38
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Artificial Antisense Nucleotide Sequence
241 <400> SEQUENCE: 20
242 gagaggtacc gccaccatga ctgaatataa acttgtgg          38
244 <210> SEQ ID NO: 21
245 <211> LENGTH: 36
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: (Artificial Nucleotide Sequence)
252 <400> SEQUENCE: 21
253 ctctgtcgac gtatttacat aattacacac tttgtc          36
255 <210> SEQ ID NO: 22
256 <211> LENGTH: 24
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: (Artificial Nucleotide Sequence)
263 <400> SEQUENCE: 22
264 gtagttggag ctggtggcgt aggc          24
266 <210> SEQ ID NO: 23
267 <211> LENGTH: 38
268 <212> TYPE: DNA

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RAW SEQUENCE LISTING DATE: 04/23/2001
PATENT APPLICATION: US/09/828,317 TIME: 13:14:04

Input Set : A:\20620Y SEQLIST.TXT
Output Set: N:\CRF3\04232001\I828317.raw

269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Artificial Nucleotide Sequence
274 <400> SEQUENCE: 23
275 gagaggtacc gccacatga ctgaatataa acttggtg 38
277 <210> SEQ ID NO: 24
278 <211> LENGTH: 45
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Artificial Antisense Nucleotide Sequence
285 <400> SEQUENCE: 24
286 ctctgtcgac agattacatt ataatgcatt ttttaatttt cacac 45
288 <210> SEQ ID NO: 25
289 <211> LENGTH: 24
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Artificial Nucleotide Sequence
296 <400> SEQUENCE: 25
297 gtagttggag ctggtggcgt aggc 24

VERIFICATION SUMMARY

DATE: 04/23/2001

PATENT APPLICATION: US/09/828,317

TIME: 13:14:05

Input Set : A:\20620Y SEQLIST.TXT

Output Set: N:\CRF3\04232001\I828317.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date